

GA-531		CHANGE PROPOSAL		GR-54	
DATE: 10 February 1966		AFFECTS: GA-531 Ground Based Correlator			
NAME OF MAJOR COMPONENT Ground Based Correlator		PART OR LOWEST SUBASSEMBLY Chassis Controller - Assembly		PART NO. MODEL OR TYPE 531A990-026-101 No P/N Change	
TITLE OF PROPOSAL: Increase Speed of Data Film Servomotors					
NATURE OF PROPOSAL: REF: REW KP-I-246 Add (2) 1.2 mfd capacitors into Data Film Servomotor Drive Circuit.					
REASON FOR PROPOSAL: To insure the RPM and torque of the Data Film Drive Motors and operate them at unity power factor.					
ES		ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:			
CP		ESTIMATED COST FOR KITS OR PARTS: N/A ADDITIONAL FUNDING REQUIRED:			
ITEMS AFFECTED BY PROPOSAL: Units 1 through 6					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: 15 min disassemble; 30 min add capacitors; 15 min assemble.					
SOURCE OF PARTS FOR KIT: GR			AVAILABILITY 8 WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED: N/A					
INITIATE		25X1A		APPROVE	
		25X1A			

DA - 531		<input type="checkbox"/> INITIAL PROPOSAL <input type="checkbox"/> CHANGE PROPOSAL		GR-66							
DATE 4 March 1966		AFFECTS: _____									
NAME OF MAJOR COMPONENT System Tester		PART OR LOWEST SUBASSEMBLY Harness Assy - Signal and Cable Assy - Interconnection.		PART NO. MODEL OR TYPE 531A900-530-101 531A900-510-101							
TITLE OF PROPOSAL: Provide Tester Power to RCD Heater.											
NATURE OF PROPOSAL: 1. In P/N 531A900-530-101, Harness Assy - Signal and wiring wires and wire wiring for power to RCD Heater circuit. 2. In P/N 531A900-510-101, Cable Assy - Interconnection, use spare wires to supply power to RCD Heater circuit.											
REASON FOR PROPOSAL: Provide 115V 400 cycle power for RCD film drying heaters. These heaters were added to the RCD at Unit #4 (1,2,3 retrofitted.)											
ES	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:										
CP	ESTIMATED COST FOR KITS OR PARTS: ADDITIONAL FUNDING REQUIRED: N/A										
ITEMS AFFECTED BY PROPOSAL: System Testers 1 thru 8.											
SAFETY	MISSION EFFEC- TIVENESS	PERFORM- ANCE	OPERATING PROCEDURE	INTER- CHANGE- ABILITY	WEIGHT OR WEIGHT AND BALANCE	TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: 20 min disassemble; 2 hrs wiring change; 20 min assemble.											
SOURCE OF PARTS FOR KIT: GR						AVAILABILITY 8 WEEKS AFTER APPROVAL					
DISPOSITION OF SPARES AFFECTED: N/A						25X1A					
25X1A		25X1A		APPRO		25X1A		25X1A		25X1A	

GA-531		ENGINEERING STUDY CHANGE PROPOSAL		GR- 67						
DATE 4 March 1966		AFFECTS: GA531		STATINTL						
NAME OF MAJOR COMPONENT Radar Transmitter		PART OR LOWEST SUBASSEMBLY Spacer		PART NO. MODEL OR TYPE 531A301-047-1 (new) VA1113C (old)						
TITLE OF PROPOSAL: Output waveguide Protective Window Removal										
NATURE OF PROPOSAL:										
<ol style="list-style-type: none"> 1. Replace the protective window, VA1113C, located between the flanges of the 531A301-912-101 Signal Monitor Coupler and the 531A301-041-103 output waveguide assembly, with a 531A301-047-1 spacer. 2. Incorporate the date for MOD #9 on the Radar Transmitter Mod Plate. 										
REASON FOR PROPOSAL:										
Field tests indicate that the protective window can create a source of waveguide power breakdown due to lower gas densities at higher temperatures in the Klystron output and signal monitor coupler waveguides. It is possible for the protective window to form a pressurization seal against pressurizing air entering the subject waveguide sections.										
ES	ESTIMATED COST AND TIME INVOLVED:									
	ADDITIONAL FUNDING REQUIRED: N/A									
CP	ESTIMATED COST FOR KITS OR PARTS:									
	ADDITIONAL FUNDING REQUIRED: N/A									
ITEMS AFFECTED BY PROPOSAL: Production units S/N A300-26 and subs in line. Units S/N 300-1 thru 25 will be retrofitted.										
SAFETY	MISSION EFFECTIVENESS	PERFORMANCE	OPERATING PROCEDURE	INTER-CHANGE ABILITY	WEIGHT OR WEIGHT AND BALANCE	TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD:										
Disassembly: 30 min.		Test: 0 min.		Total: 1 hr and 45 min/per unit.						
Modification: 30 min.		Reassembly: 45 min.								
SOURCE OF PARTS FOR KIT:				AVAILABILITY 5 WEEKS AFTER APPROVAL						
DISPOSITION OF SPARES AFFECTED: Spares to be reworked to latest configuration. PPB will be changed by Change Notice to ISO.										
25X1A										
25X1A		APPROVED:								

GA-531		ENGINEERING STUDY <input type="checkbox"/>	GR- 68							
DATE 4 March 1966		CHANGE PROPOSAL <input checked="" type="checkbox"/> STATINTL								
AFFECTS: GA 531										
NAME OF MAJOR COMPONENT Radar Transmitter	PART OR LOWEST SUBASSEMBLY Filter Assembly	PART NO. MODEL OR TYPE 531A310-001-105 (new) 531A310-001-103 (old)								
TITLE OF PROPOSAL: Filter Assembly Grounding										
NATURE OF PROPOSAL:										
<ol style="list-style-type: none"> 1. Eliminate signal ground and power ground filters FL5 and FL10 respectively and bond the two grounds at a common point in the filter assembly. Bond the filter output leads together and ground them at the filter assembly. 2. Incorporate the date for MOD #10 on the Radar Transmitter Mod. Plate. 3. Change filter Assembly P/N 531A310-001-103 to -105. 										
REASON FOR PROPOSAL:										
<p>Noise interference is being generated by the radar transmitter due to a difference in potential between signal ground and power ground in the transmitter.</p> <p>Field test with the above modification eliminates the noise interference.</p> <p>Lab RFI tests on the modification in the Radar Transmitter show the R/T to meet all MIL-I-26600 specifications.</p>										
ES	ESTIMATED COST AND TIME INVOLVED:									
	ADDITIONAL FUNDING REQUIRED: N/A									
CP	ESTIMATED COST FOR KITS OR PARTS:									
	ADDITIONAL FUNDING REQUIRED: N/A									
ITEMS AFFECTED BY PROPOSAL: Production units S/N A300-26 and subs in line. Units S/N A300-1 thru 25 will be reworked when work on filter unit is necessary.										
SAFETY	ST. NEW SPEC. IMPROV.	PERFORMANCE	OPERATING PROCEDURE	INTER. CHANGE ABILITY	WEIGHT OR WEIGHT AND BALANCE	TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD:										
2 hours disassemble; 2 hrs change filter; 2 hrs assemble unit.										
SOURCE OF PARTS FOR KIT:						AVAILABILITY 4 WEEKS AFTER APPROVAL				
DISPOSITION OF SPARES AFFECTED: Spares to be reworked to latest configuration. Spare 531A310-001-103 Filters will be changed to new 531A310-001-105 Filters. PPH to be changed by change notice to PS.										
INITIAL	25X1A				APPROVED:	25X1A				